

# **Abstract:**

## **Background:**

Inguinal hernia is one of the most common diseases in the males. Treatment of this pathology is exclusively surgical . While in the past hernia surgery was carried out mainly under general and spinal anesthesia, in recent years there has been growing emphasis on the role of local anesthesia. Local anesthesia for inguinal hernia repair is cost-effective, but fear of intra-operative pain may hinder its widespread use.

## **Objectives.**

To evaluate the safety and effectiveness of inguinal hernia repair under local anaesthesia. To compare the inguinal hernia repair under local anaesthesia versus spinal anaesthesia in relation with post operative pain, complications and hospital stay.

## **Material and Methods:**

This prospective study comprised of 50 cases of inguinal hernia which were randomly divided into two groups of 25 each named group A and group B. Inguinal hernia mesh repair was done under local anaesthesia in group A and under spinal anaesthesia in group B. All the parameters were recorded intra and postoperatively in both groups. Data was compiled and subjected to statistical analysis by using "paired student t test".

## **Conclusion:**

Tension-free mesh repair under local anaesthesia is simple, safe, cost effective, very low rates of complications and a speedy discharge.

Keywords: Local Anaesthesia, Inguinal hernia repair, Lichtenstein mesh hernioplasty.